

# PDCD4 (Phospho-Ser457) Antibody

Catalog No: #11962

Package Size: #11962-1 50ul #11962-2 100ul

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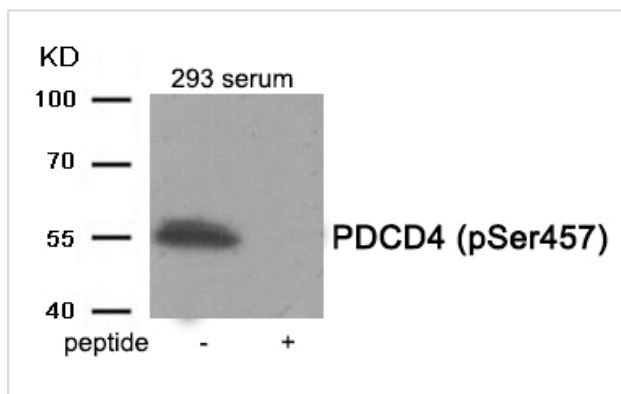
## Description

Product Name	PDCD4 (Phospho-Ser457) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of PDCD4 only when phosphorylated at serine 457.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 457 (F-V-S(p)-E-G) derived from Human PDCD4 .
Target Name	PDCD4
Modification	Phospho
Other Names	neoplastic transformation inhibitor;
Accession No.	Swiss-Prot#: Q53EL6; NCBI Gene#: 27250; NCBI Protein#: NP_001186421.1
SDS-PAGE MW	51kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from 293 cells treated with Serum using Phospho-PDCD4 (Ser457) antibody #11962. The lane on the right is treated with the antigen-specific peptide.

## Background

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Inhibits translation initiation and cap-dependent translation. May exert its function by hindering the interaction between EIF4A1 and EIF4G. Inhibits the helicase activity of EIF4A. Modulates the activation of JUN kinase. Down-regulates the expression of MAP4K1, thus inhibiting events important in driving invasion, namely, MAPK85 activation and consequent JUN-dependent transcription. May play a role in apoptosis. Tumor suppressor. Inhibits tumor promoter-induced neoplastic transformation. Binds RNA

Kakade D, Islam N, Maeda N, Adegoke OA (2014) BMC Cell Biol 15, 2.

Wippich F, et al. (2013)Cell 152, 791-805 .

LaRonde-LeBlanc N, et al. (2007)Mol Cell Biol 27, 147-56.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.